## ABSTRACT OF THE DISCLOSURE

A complex comprised of at least one negatively charged nucleic acid and at least one positively charged polymeric conjugate with the bond therebetween being electrostatic in nature,

the polymeric conjugate containing a polylysine formed from monomers having free  $\mathrm{NH_3}^+$  groups,

at least 10% of free  $\mathrm{NH_3}^+$  groups of the said polylysine are substituted by residues which can be protonated in a weakly acid medium causing destabilization of cell membranes,

and optionally some of the free  $\mathrm{NH_3}^+$  groups of the said polylysine can be substituted by a molecule with a recognition signal recognized by a cell membrane receptor,

with the proviso that all the free  $\mathrm{NH_3}^+$  groups of the said polylysine make up at least 30% of the number of monomers of the skeleton of the polymeric conjugate,

wherein said residue causing destabilization of cell membrane in a weakly acid medium belong to the family of quinolines of the formula:

$$\begin{array}{c} \text{CH}_3\\ \text{NH - CH - (CH}_2)_3 - \text{N - R}_1 \text{ R}_2\\ \\ \text{X} \end{array}$$

in which  $R_1$  is hydrogen,  $R_2$  is -(CH<sub>2</sub>)<sub>n</sub>-CO<sub>2</sub>-H, X is hydrogen or

chlorine and n is an integer from 1 to 10, wherein said recognition signal is selected from the group consisting of:

simple osides selected from the group consisting of  $\alpha$  or  $\beta$  conformers of 2-deoxy, of 2-amino or 2-deoxy, 2-acetamido neutral monosaccharides;  $\alpha$  or  $\beta$  conformers of glycuronic acid derivatives of neutral monosaccharides;  $\alpha$  or  $\beta$  conformers of L-iduronic acid, of keto-deoxy-octonic acid, of N-acetyl neuraminic acid, or of N-glycoloyl-neuraminic acid; and  $\alpha$  or  $\beta$  conformers of neutral 6-deoxy monosaccharides;

or a disaccharide selected from the group consisting of lactose and mannopyranosyl $\alpha$ -6-mannopyranose,

or complex osides selected from the group consisting of Lewis $^a$ , Lewis $^b$ , Lewis $^x$ , oligomannosides and oligolactosamines or peptides.